

KRAYANSKIY, O.B.; RUDOMANOVA, I.F.; LATAYEVA, D.N.

Photometric determination of pentoses in hydrolysates. Izv. vys.
ucheb.zav.; pishch.tekh. no.6:150-153 '61. (MIRA 15:2)

I. Krasnodarskiy institut pishchevoy promyshlennosti, kafedra
fizicheskoy i kolloidnoy khimii.
(Photometry)(Pentoses)(Hydrolysis)

KRAYANSKIY, O.B.; LATAYEVA, D.N.; RUDOMANOVA, I.F.

Using the paper chromatography method for the quantitative
determining of sugars in pentose and hexose hydrolyzates.
Izv.vys.ucheb.zav.; pishch.tekh. no.1:149-152 '63. (MIRA 16:3)

1. Krasnodarskiy institut pishchevoy promyshlennosti, kafedra
fizicheskoy i kolloidnoy khimii.
(Paper chromatography) (Sugars--Analysis) (Hydrolysis)

GOLDOVSKAYA, T. Ye.; KUL'NEVICH, V. G.; LATAYEV, D. N.

Triethanolamine as the new stabilizer of furfural. Izv. vys. ucheb. zav., pishch.-tekhn., no. 2:40-43 '64. (MIRA 17:5)

1. Krasnodarskiy politekhnicheskiy institut, kafedra ogranicheskoy khimii.

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25368
S/079/61/031/008/006/009
D215/D304

AUTHORS: Razuvyev, G.A., Latayeva, V.N., and Vyshinskaya, L.I.

TITLE: Free radicals reactions of biscyclopentadiene-diphenyl titanium

PERIODICAL: Zhurnal obshchey khimii, v. 31, no. 8, 1961, 2667-2674

TEXT: The authors give a short survey of achievements in the field of organic titanium compounds and their brief characteristics, all based exclusively on western publications. In their experimental work they investigated the behaviour of $(C_6H_5)_2Ti(C_5H_5)_2$ under reaction conditions, used previously for phenyl derivatives of other metals. They investigated the reactions of this compound with different solvents: benzene, methyl and isopropyl alcohols, $CHCl_3$ and CCl_4 . When the solutions of the compound were heated in sealed tubes in complete absence of oxygen, a sharp change in their color was observed, from the

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D215/D304

Free radicals...

initial yellow one to a dark green, which is the color of titanium compounds of lower valencies. The reduction of the titano-organic compound takes place probably according to the scheme:
 $(C_5H_5)_2Ti(C_6H_5)_2 \rightarrow (C_5H_5)_2Ti + 2C_6H_5$. The formation of free phenyl radicals was confirmed by the authors' further experiments: the free radicals removed hydrogen from alcohols and $CHCl_3$, chlorine from CCl_4 , dimerized in benzene and reacted with metallic Mg in a CCl_4 solution. $(C_5H_5)_2Ti(C_6H_5)_2$ is fairly stable in benzene or alcohol solutions, but is easily converted to the dichloride in CCl_4 alone, or in the presence of mercuric chloride, in which case the phenyl group is exchanged for the chloro group and $(C_5H_5)_2TiCl_2$ and C_6H_5MgCl are obtained. This exchange reaction (yield $\pm 70\%$) takes place simultaneously with that of free radicals. The reverse reaction of replacement of chloro by the phenyl group takes place when the dichloride is heated with phenylmercuric

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Free radicals...

S/079/61/031/008/006/009
D215/D304

chloride. There are 1 graph and 16 references: 2 Soviet-bloc and 14 non-Soviet-bloc. The references to the 4 most recent English-language publications read as follows: C.H.E. Bawn, I. Gladstone, Pr. Chem. Soc. 227, (1959); A. Jensen, F. Basals, J. Am. Chem. Soc. 81, 3813, (1959); W.F. Long, J. Am. Chem. Soc. 81, 5312, (1959); and D. H. Hey, T. Peters, J. Chem. Soc. 79, (1960).

SUBMITTED: July 14, 1960

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18(4), 18(6)

AUTHORS: Kurdyumov, G. V., Academician, Sov/20-124-1-21/69
Kristskaya, V. K., Latayko, P. A., Osip'yan, Yu. A.

TITLE: On the Variation of the Forces of Interatomic Bond in a Single-phase Solid Solution Nickel-aluminum (Ob izmeneniyakh sil mezhatomnoy svyazi v odnofaznom tverdom rastvore nikel'-alyuminiiy)

PERIODICAL: Doklady Akademii nauk SSSR, 1959, Vol 124, Nr 1, pp 76-78
(USSR)

ABSTRACT:
Short reference is first made to earlier papers dealing with this subject. The castings of the nickel-aluminum alloy (8.3 atomic % Al) were annealed for 100 hours at $1,150^{\circ}$. The forging of the casting up to a cross section of $40 \times 25 \text{ mm}^2$ began at $1,000^{\circ}$ and was completed at a temperature of $\sim 400-500^{\circ}$. Towards the end of the forging process the casting had already assumed a dark color. The forged pieces were then cold-drawn and from them samples of 100 mm length and 10 mm diameter were produced. On these samples, Young's modulus was determined by measurement of the resonance frequencies in the case of longitudinal oscillations of the rod at room temperature. The results obtained by these

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On the Variation of the Forces of Interatomic Bond
in a Single-phase Solid Solution Nickel-aluminum SOV/20-124-1-21/69

measurements are shown by a diagram for various initial alloy states. In the cold deformed and in the hardened state Young's modulus of the alloy is higher by 6 % than in the case of an annealed alloy. In order to convey the alloy from a state with a high modulus (state B) into one of a low modulus (state A) it is necessary to heat it up to temperatures of more than 600-700°, after which it is gradually cooled down. With heating up to 700-1,000°, Young's modulus gradually decreases. For the purpose of conveying the alloy from state A into state B it is sufficient to heat up to 300° with subsequent cooling in water. Already after heating up to 100° the modulus is noticeably increased. The state A does not change if cooling takes place slowly after heating to 300° or higher temperatures. These data make it possible to draw the conclusion that state B in a hardened alloy is not produced by undercooling of a steady state at high temperatures down to room temperature, but rather by such a transformation which occurs in the alloy only in the case of rapid cooling within the temperature interval of from 300° and room temperature. If the alloy is heated in state A up to

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300°, no essential changes occur in it either during heating or during aging. A change occurs only during rapid cooling. From the data discussed it further follows that the state B, which is produced by the rapid cooling of the alloy at a temperature below 300°, is a metastable state, which, in the case of a sufficiently high temperature, i.e. in the case of sufficient atomic mobility, may go over into the stable state A. At present, the nature of the alloys with high Young's modulus and the nature of the transition A → B is not yet known. The Debye X-ray pictures showed no difference between the crystal structures of the alloy in the states A and B. However, an essential difference was observed with respect to the microstructure of the alloy. Similar results were obtained also for a solid solution Ni - Cu (10.8 atom % Cu). There are 3 figures and 8 references; 5 of which are Soviet.

SUBMITTED: September 26, 1958

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ACC NR: AF6033402

SOURCE CODE: UR/0293/66/004/005/0784/0785

AUTHOR: Latayko, P. A.

ORG: none

TITLE: Artificial satellites in the earth's shadow

SOURCE: Kosmicheskiye issledovaniya, v. 4, no. 5, 1966, 784-785

TOPIC TAGS: earth satellite orbit, artificial satellite observation

ABSTRACT: The paper develops analytic methods for determination of the time of entrance into and exit from the shadow, for satellites which are close to the earth, and of the duration of the shadowed portions of their orbits. The author discusses one such analytic solution under certain simplifying assumptions. The sun and the earth are assumed to be ideal spheres; atmospheric refraction as well as the change of the sun's coordinates during one rotation of the satellite are disregarded. Then the true anomaly at the intersection points of the orbit with the shadow boundaries is expressed by a trigonometric equation of the fourth degree, the coefficients of which are functions of the geocentric equatorial sun's coordinates, the inclination, and other elements of the orbit. In the great majority of cases, the equation has only one possible solution. The maximal errors resulting from the simplifying assumptions are calculated for various durations of the revolutions. Orig. art. has: 6 equations and 1 table.

SUB CODE: 22 / SUBM DATE: 10Jul65 / ORIG REF: 002

UDC: 526.61:521.832

LATCHENKO, V.N.

USSR / Cultivated Plants. Grains.

M-3

Abs Jour: Ref. Zhur-Biol., 1958, No 16, 72902.

Author : Latchenko, V. N.; Nishchiy, I. A.
Inst : Moldavian Scientific-Research Institute of Agriculture.
Title : Periods and Rates for Planting Winter Barley in Moldavia.

Orig Pub: Byul. nauchno-tekhn. inform. Mold. n.-i. in-ta s. kh. Kishinev, 1957, 33-36.

Abstract: No abstract.

Card 1/1

APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R000928810002-1^{M-4}

CATEGORY :

ABS. JOUR. : RZBiol., No. 19, 1958, No. 87043

AUTHOR : Gordiyenko, V. A.; Latchenko, V. N.
INST. : Moldavian Agricultural Scientific Research Institute
TITLE : Results of Selection and Variety Studies of Leguminous Grain Crops.

ORIG. PUB. : Byul. nauchno-tekhn. inform. Mold. n.-i.*

ABSTRACT : At the Moldavian selection station have been developed the following varieties of beans: Moldavskaya belaya uluchshennaya, Moldavskaya belaya 494, Moldavskaya belaya bomba; and pea varieties Bel'tskiy kormovoy 226. Each variety is described in detail. The high yield varieties are: Moldavskaya belaya 494 and Moldavskaya belaya bomba; beans, and Bel'tskiy kormovoy 226, peas.

CARD //

Institute.

* in-ta s. kh. Kishinev, 1957, 59-62.

GORDIYENKO, V.A., red.; KALASHNIK, N.S., red.; KIBASOV, P.T., kand.
sel'khoz. nauk, red.; KOROVKO, P., red.; LATCHENKO, V.N.,
red.; LIBERSHIEYN, I.I., kand. sel'khoz. nauk, red.;
LISUNOV, I.K., red.; LUFASHKU, M.F., kand. sel'khoz. nauk,
red.; PISKUNENKO, I.I., kand. ekon. nauk, red.

[Brief work results for 1962] Kratkie itogi rabot za 1962
god. Kishinev, "Kartia moldoveniaske," 1963. 72 p.
(MIRA 17:10)

1. Moldavskiy nauchno-issledovatel'skii institut selektsii,
semenovodstva i agrotehniki polevykh kul'tur.

LATCU, D., prof. (Hunedoara); PETRESCU, N., prof. (Tg. Carabunesti); CERCHEZ,
Mihu; ZENEMBISI, I., prof. (P. Neamt); TEODORESCU, Voltaire (P. Neamt);
IONESCU-TIU, G.; TOMESCU, Ion (Bucaresti); DUMITREASA, Gh. (P. Neamt);
MIHAILESCU, D., prof. (Pitesti); DUMITRU, Acu (Cluj); LEONTE, Alexandru
(Bucaresti); ANGHELACHE, Tudorica (Bucaresti); POPA, Al. (Pucioasa);
BRINZANESCU, V. (Bucaresti); LUSTIG, Gh. (Bucaresti); ISAC, E. (Tg. Jiu);
LEVIN, Alexandru (Tallin, U.S.S.R.); SIMION, A. (Bacau); AVADANEI,
Cornelia (P. Neamt); SIMIONESCU, Gh.D.; FLONDOR, Elena, (Bucuresti)

Proposed problems in mathematics. Gaz. mat B 15 no.4:172-177
Ap '64.

2900

62-318721-621-313-375

Lalek W. Methods of Improving the Power Factor, and a Critical
Review of Such Methods.

"Metody poprawienia współczynnika mocy i ich krytyczna ocena".
Przeglad Elektrotechniczny No. 3, 1952, pp. 358-365, 10 figs.

The author describes how to determine the power factor of motors, without the necessity of measuring the power. He deals with ways of improving the power factor in enterprises already in operation, with particular reference to his own method for determining the power factor and efficiency of a synchronised induction motor on the basis of readings and data of no load run during asynchronous operation. He also reviews the routine to be observed in designing new industrial enterprises, with a view to obtaining a sufficiently high power factor.

Mechanics (H10)

LATEK, W.

Determination of temperature rise in transformer windings by substitutional methods. p. 99.

PRZEGŁAD ELEKTROTECHNICZNY. (Stowarzyszenie Elektryków Polskich)
Warszawa, Poland. Vol. 35, no. 3, Mar. 1959

Monthly list of East European Accession (EEA) LC, VOL. 8, No. 7, July 1959

Uncl.

LATEK, Wladyslaw, doc. dr inz.

Frequent starting of turbogenerators. Energetyka Pol 14 no.6:168-170
Je '60.
(Turbogenerators)

"APPROVED FOR RELEASE: 06/20/2000

CIA-RDP86-00513R000928810002-1

LATEK, W.

Thermal stresses in windings of turbo-generator rotors.
Archiw elektrotech 10 no.2:561-578 '61.

APPROVED FOR RELEASE: 06/20/2000

CIA-RDP86-00513R000928810002-1"

LATEK, Wladyslaw, doc.dr inz.; MATUSIAK, Ryszard, mgr inz.; PRZYBYSZ,
Jerzy, mgr inz.

A method of determining the parameters of the starting of turbo-
generators. Energetyka Pol 15 no.10:Suppl: Biuletyn Instytutu
Energetyki 3 no.9/10:33-39 0 '61.

LATEK, Wladyslaw

Rational start of turbogenerators. Przegl elektrotechn 40
no.5:235-239 My '64.

66172

SOV/143-59-9-16/22

24.5200

AUTHOR: Latenko, B.V., Engineer

TITLE: An Investigation of the Heat Transfer of Wire Coils in a Trans-
verse Air Flow

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy, Energetika, 1959, Nr 9,
pp 93-160 (USSR)

ABSTRACT: The heat transfer and the aerodynamic resistances of lattice heater surfaces were investigated at the laboratory of the Department of Boilers at KPI under the guidance of Professor V.I. Tolubinskiy. This paper is the first part of a report on this investigation. Data on the heat transfer and the aerodynamic resistance of lattice heater surfaces of different geometric parameters are required for planning and designing compact regenerative air heaters for modern boilers. Such data were not available until now. The author mentions in this connection the construction of an experimental air heater at the "Krasnyy kotel'shchik" plant. The experiments were performed in a closed-cycle wind tunnel, shown in fig.

1. The dynamic pressure in the wind tunnel was measured by a TsAGI

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micro-pressure gage. The working section of the wind tunnel had the dimensions 280x280 mm. The air was heated to 60°C. The working elements were heated by d.c., 27 volts, 54 amps. The measuring arrangement is shown in fig.2. For checking the correctness of the experimental investigation method, the heat transfer of straight wires of 0.8, 1.98 and 3 mm was investigated and compared to results obtained by other investigators, Reyer, Gil'pert, L.S. Eysen, N.V. Kuznetsov and A.A. Zhukauskas (Refs.3,4). These data are shown in a graph in fig.3. After these preliminary tests, different coils made of 1.98-mm wire were tested. The Re-criteria were varied during the experiments from 500 to 2200. Results of these experiments are shown in graphs (Figs.4,5 and 6). These graphs show that all curves have a break at $Re = 1380 \pm 1420$. Based on the experimental investigation of single coils, the author obtained the following formulas for calculating the heat transfer of coils in a transverse air flow and different geometric parameters: (S = cross-section surface of the element; d = diameter of the wire; D_{cp}/d = relative diameter) X

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An Investigation of the Heat Transfer of Wire Coils in a Transverse Air Flow

$$\text{with } Re < 1400 \text{ and } \frac{S_2}{d} < 2 \quad Nu = 0.106 \left(\frac{S_2}{d} \right)^{2.2} \frac{(0.8-0.15)}{Re} \frac{S_2}{d}$$

$$\text{with } Re < 1400 \text{ and } \frac{S_2}{d} > 2 \quad Nu = 0.46 Re^{0.49}$$

$$\text{with } Re < 1400 \text{ and } \frac{S_2}{d} < 2 \quad Nu = 0.26 \left(\frac{D_{cp}}{d} \right)^{-0.07} \left(\frac{S_2}{d} \right)^{0.25} \frac{0.57}{Re}$$

$$\text{with } Re < 1400 \text{ and } \frac{S_2}{d} > 2 \quad Nu = 0.3 \left(\frac{D_{cp}}{d} \right)^{-0.06} \frac{0.57}{Re}$$

An influence of the relative pitch on the heat transfer was noticed only at values of $\frac{S_2}{d} < 2$. In practical calculations, the

parameter $\frac{D_{cp}}{d}$ may be neglected. The maximum error of these generalized experimental data does not exceed 3.5%. This paper was presented by the Kafedra kotel'nykh ustyanovok (Chair of Boil-

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SOV/142-59-9-16/22

An Investigation of the Heat Transfer of Wire Coils in a Transverse Air Flow
ers). There are 2 diagrams, 4 graphs and 5 Soviet references.

ASSOCIATION: Kiyevskiy ordena Lenina politekhnicheskiy institut - KPI - (Kiyey
- Order of Lenin - Polytechnic Institute)

SUBMITTED: June 5, 1959

Card 4/4

LATENKO, B.V., inzh.

Automation of plant nutrition in gravel greenhouses. Mekh.
sill'. hosp. 12 no.12:24-27 D '61. (MIRA 17:1)

LATENKO, B.V., inzh.

How to mechanize the whitening of the roofs of greenhouses.
Mekh. sil'. hosp. 14 no.5:13 My '63. (MIRA 16:10)

1. Radgosp "Kiivs'ka ovocheva fabrika."

LATENKO, B.V., inzh.

Equipment for automatic plant nutrition in greenhouses. Makh.i
elek.sots.sel'khoz. 19 no.5:61-63 '61. (MIRA 14:10)
(Greenhouses—Equipment and supplies)

LATENKO, B.V., inzh.

Unit for spraying plants in greenhouses. Zashch. rast. ot vred.
i bol. 7 no.9:17-18 S '62. (MIRA 16:8)

(Spraying and dusting equipment)

LATEJKO, B.V., inzh.

Heat emission and aerodynamic resistance of the heating surfaces
of regenerative grid-type air heaters. Izv. vys. ucheb. zav.;
energ. 6 no.8:72-80 Ag '63. (MIRA 16:9)

I. Kiyevskiy ordona Lenina politekhnicheskiy institut. Predstav-
lena kafedroy kotel'nykh ustavovok.
(Air preheaters) (Boilers)

ALIYEV, Eduard Arkad'yevich; DYUKAREV, Yuriy Aksent'yevich;
LATENKO, Boris Vasil'yevich; BYVAL'KO, I.G., doktor
biol. nauk, red.; ONISHCHENKO, L.I., red.

[Soilless growing of vegetables in greenhouses] Vyrashchi-
vanie ovoshchey v teplitsakh bez pochyv. Kiev, Gossel'-
khozizdat USSR, 1964. 141 p. (MIRA 17:6)

LATENKO, Igor' Vyacheslavovich, inzh.; ZHUK, K.D., inzh., retsenzent;
KOVAL'CHUK, A.V., inzh., red.izd-va; BEREZOVYY, V.N., tekhn.
red.

[Analogue multiplication devices] Analogovye mnozhitel'nye
ustroistva. Kiev, Gostekhizdat USSR, 1963. 193 p.
(MIRA 16:11)

(Electronic computers)

LATENKO, Ya. P.

LATENKO, Ya. P. -- "Changes in Arterial and Venous Pressure in Certain Acute Infectious Diseases." Kiev Order of Labor Red Banner Medical Inst imeni Academician A. A. Bogomolets. Kiev, 1955. (Dissertation for the Degree of Candidate of Medical Sciences.)

SO: Knizhnaya letopis', No. 4, Moscow, 1956

LATENKO, Ya.P., kand.med.nauk; KIRILENKO, V.A.; ZALEVSKIY, L.N.

Case of anthrax as a result of careless handling of vaccine. Vrach.
defo no. 3:122-123 Mr '61. (MIRA 14:4)

1. Kafedra infektsionnykh bolezney (zav. - dotsent F.F. Yurchak)
Vinnitskogo meditsinskogo instituta i Vinnitskaya oblastnaya
sanitarno-epidemiologicheskaya stantsiya.
(ANTHRAX)

LATENKO, Ye.N.

Means of improving the quality of cement. TSement 29 no.3:21
(MIRA 17:1)
My-Je '63.

1. Belgorodskiy tsementnyy zavod.

LATERS, Ya.Ya.; VASILIYEV, E.Ya. (Riga)

Work practices of the "Rigas Aprebs" Production Combine in
Riga. Shvein. prom. no.4:12-17 Jl-Ag '65. (MIRA 18:9)

LATESE, M.

Hydraulic investigations in the People's Republic of Rumania. p. 26
Khidrotekhnika I Melioratsii Vol. 3, No. 1, 1958. Sofia Bulgaria

Monthly Index of East European Accessions (EMAI) LC, Vol. 7, No. 10,
Oct. 58

LATES, M.

TECHNOLOGY

Periodicals: HIDROTEHNICA. Vol. 3, no. 7, July 1958

LATES, M. Dictionarul Politehnic (Polytechnic Dictionary); a review of a book. 280 p.

Monthly List of East European Accessions (EEAI) LC, Vol. 8, No. 2, February 1959, Unclass.

LATES, M.

TECHNOLOGY

Periodicals: HIDROTEHNICA. Vol. 3, no. 8, Aug. 1958

LATES, M. Organization and complex utilization of water supply in Poland.
p. 285

Monthly List of East European Accessions (EEAI) IC, Vol. 8, No. 2,
February 1959, Unclass.

LATES, M.

TECHNOLOGY

PERIODICAL: REVISTA TRANSPORTURILOR, Vol. 5, no. 11, Nov. 1958

LATES, M. Problems of projectin Polish small harbors along the southern
littoral of the Baltic Sea. p. 521

Monthly List of East European Accessions (EEAI). LC Vol. 8, no. 4
April 1959, Unclass

LATES, Mircea G., (Bukarest, Narodna Republika Rumunija)

Some remarks on the resistance dams at the lock gates for filling and
emptying the locks. Vodoprivreda Jug 2 no.7/8:145-147 '59. (EEAI 10:1)
(Locks (Hydraulic engineering))
(Water) (Dams) (Ships)

LATES, M

A hydraulic experimental study, upon mode models under pressure, on the vertical decanting apparatus for the mechanical purification of residual waters. p.195

HIDROTEHICA. (Asociatia Stiintifica a Inginerilor si Tehnicienilor din Romania) Bucuresti, Romania Vol. 4, no.6, June 1959

Monthly List of East European Accessions (EEAI) LC, Vol. 9, no.2, Feb. 1960

Uncl.

VLADIMIRESCU, I., ing., conf.; LATES, N., ing.; TROFIN, E., ing., conf.

Experimental investigations on filtration under nonpermanent conditions, applied to earth dams and weirs. Hidrotehnica 7 no.1: 1-14 Ja '62.

1. Membri al Comitetului de redactie, "Hidrotehnica."

LATES, M.

"Hydrology and hydrometry in problems" by V.V. Lebedev.
Reviewed by M. Lates. Mete~~rologia~~ hidrol gosp 7 no.4:297
'62.

IATES, M., ing.; SPATARU, A., ing.

The January 29-February 3, 1962 tempest and its aspects in
the Constanta area. Hidrotehnica 7 no. 6:196-201 Je '62.

LATES, M., ing.; MARUTA, Al., ing.

Hydraulic characteristics of a new stand for testing the large pumps manufactured in Rumania for pumping stations in irrigation systems. Hidrotehnica 7 no.7:219-225 Jl '62.

LATES, M.

"The 8th International Conference on Ship Hulls (I.T.T.C.)."
Reviewed by M.Lates. Rev transport 9 no.7:311-312 Jl '62.

LATES, M.

Designing, testing the model and application of the bow steering
and variable pitch propellers. Rev transport 9 no.7:316-317 Jl
'62.

LATES, M.

Sea corrosion and the cathodic protection for steel pillars.
Rev transport 9 no.7:317 J1 '62.

LATES, M., ing.

Hydrologic studies in Hungary. Hidrotehnica 7 no.10:364-365 O '62.

LATES, M., ing.

"Vessel hydrodynamics" by A.M.Basin, V.N.Aufimov. Reviewed by
M. Lates. Rev transport 9 no.10:456-457 O '62.

LATES, M., ing.

"Subterranean contour of hydraulic engineering constructions" Ny
R.R. Cingaev. Reviewed by M. Lates. Hidrotehnica 8 no.2:72 F '63.

LATES, M., ing.

On the runoff coefficient of outlet siphons in a discharge regime
under pressure. Hidrotehnica 8 no.3:100-103 Mr '63.

LATES, M., ing.

Method of studying the movement of alluvial deposits by
luminophors. Pt 1. Hidrotehnica 8 no. 4: 146-152 Ap
'63.

LATES, M., ing.

New basic data for indirect calculation of wave elements
on the Rumanian Black Sea littoral. Studii hidraul 5:
129-155 '63.

Study on alluvium displacement at two seaside points with
the aid of luminophores. 191-204

Hydrodynamic resistance at the lateral launching of big
maritime vessels on submerged sill slipways. 227-243

LATES, M., ing.

Statistical characteristics of wave height variation
in the agitation field of the neighboring seashore zone.
Meteorologia hidrol gosp 8 no.3:115-120 '63.

LATES, M., ing.

Symposium on the Hydrotechnical Problems of the Black
Sea Rumanian Littoral, Constanta, September 30-October 5, 1963.
Meteorologia hidrol gosp 8 no.3:142-144 '63.

LATES, M.

"Elements of the numerical analysis and mathematical work
of experimental results" by R.S. Guter, B.V. Ovchinski.
Reviewed by M. Lates. Meteorologija hidrologija & no. 3:148
163.

IATES, M., ing.

Technique for studying the movement of alluvial deposits by
luminescent tracers. Pt. 2. Hidrotehnica 8 no. 5:179-183
Mg '63.

LATES, M., ing.

Use of grains with luminophor tracers on prototype and
hydraulic models for the qualitative and quantitative
study of alluvial deposit movement. Hidrotehnica 8 no. 6:
223-228 Je '63.

LATES, M., ing.

Hydraulic aspects of small maritime harbor behavior to
waves and alluvium. Hidrotehnica 8 no.11:398-402 N '63.

LATES, M., ing.

"Principal means of increasing transport capacity on
the inland waterways" by E. Masiar. Reviewed by M.
Lates. Hidrotehnica 8 no.11:425 N '63.

LATES, M., Ing.

"Bases of hydraulic engineering" by V.A. Berg. Reviewed by
M. Lates. Hidrotehnica 8 no.11:427 N '63.

LATES, Mircea, ing.

Wave agitation admitted for operation in the maritime ports and for carrying out maritime works. Rev transport 10 no.12:571-573 D '69.

LATES, I., ing.

Symposium on Hydrotechnic Problems of the Rumanian
Black Sea Littoral; Constanta, September 30-October 5,
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LATEV, D.

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1. Uzbekskiy metallurgicheskiy zavod.
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(Hard facing)

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Increasing the fermenting power of dried baker's yeast.
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LUDWIGSBURG

CA

Catalytic properties of bentonite. II. Synthesis of esters (butyl acetate). M. B. Turova-Polik and O. B. Latich (Lomonosov State Univ., Moscow). *J. Applied Chem.* (U.S.S.R.) 20, 201-6 (1947) (in Russian); cf. *C.A.* 41, 4437a. (1) BuOH was passed over 30 g. bentonite, in a reaction tube 15 min. in diam., 91 cm. long, at a rate of 0.4 ml./min.; at 250°, 300, 350, 400, 450°, the total vol. of gas evolved (at 12.5 mm.) was 489.4, 1021, 1262, 1208, 1363 ml.; the gas was all butene, its yield 30.2, 42.7, 46.8, 49.2, 59.5%, resp.; the liquid condensate was all unreacted BuOH; no Bu₂O was formed at any temp. (2) Irradiation of the butene obtained at 400-450° gave (CH₂Cl)₂, most of it isoc., with a little racemic; hence, the catalyst brings about, along with dehydration, isomerization of 1-butene into 2-butene. (3) With equimol. mixts. of BuOH + Ac₂O, the yields, *b*, of BuOAc were: rate 0.1 ml./min., 100, 180, 200, 250° = 97, 100, 73, 66.4%; rate 0.4 ml./min., 100, 150, 200, 250, 300, 350, 400°, *b* = 92.0, 100.0, 100.0, 97.0, 88.3, 74.2, 59.0%; longer time of contact favors dehydrogenation of BuOH into C₂H₄ and thus lowers *b*; diln. of the BuOH with Ac₂O evidently slows down its dehydration. At const. temp., 180° increase of the rate of flow from 0.05 to 0.80 ml./min. had no effect whatever on *b* (100%); at 3.20 and 12.80 ml./min., *b* decreased only slightly, to 97.4 and 94.2%, resp. The same batch of catalyst kept its initial activity for 60 hr. N. Thor

N. Thom

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1. Klinika za bolesti usta, suba i vilica.
(PERIODONTAL DISEASES ther.)

LATIFIC, Safet, sanitetski pukovnik, dr.

Tuberculosis of the oral cavity. Vojnosanit. pregl. 19 no.3:
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